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FOR NEW SERVICE, THE APPROXIMATE NUMBER OF NPA NXXs _____

TYPE OF ACTIVITY _____ (N - NEW OR ADD; C - CHANGE; D - DISCONNECT; S - SUPP)

BILLING ACCOUNT NUMBER (BAN) _____

CUSTOMER ORDER CONTACT NAME, ADDRESS, ZIP CODE, AND TELEPHONE NUMBER:

_____

_____

_____(___)_____

CUSTOMER TECHNICAL CONTACT NAME AND TELEPHONE NUMBER:
_____(___)_____

CPOC SVC. REP. CONTACT NAME AND TELEPHONE NUMBER:
_____(___)_____

*SWBT CKR:_____ *TWO SIX CODE:_____
(SWBT ID OF CCS/SS7 INTERCONN. SVC.)

1. _____
2. _____
3. _____
4. _____

*THIS INFORMATION SHOULD BE OBTAINED BY THE LIDB CUSTOMER FROM THEIR CCS/SS7
INTERCONNECTION SERVICE PROVIDER.

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LIDB VALIDATION SERVICE ____ CALLING NAME SERVICE ____

ORIGINATING LINE NUMBER SCREENING ____

ACT. TYPE	ORIGINATING POINT CODES:	ACT. TYPE	ORIGINATING POINT CODES:
____	_____	____	_____
____	_____	____	_____
____	_____	____	_____
____	_____	____	_____
____	_____	____	_____
____	_____	____	_____
____	_____	____	_____
____	_____	____	_____
____	_____	____	_____
____	_____	____	_____
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____	_____	____	_____
____	_____	____	_____
____	_____	____	_____
____	_____	____	_____
____	_____	____	_____
____	_____	____	_____
____	_____	____	_____

REMARKS _____

_____

_____

DATE AND TIME RECEIVED IN THE CPOC

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LIDB VALIDATION SERVICE _____ CALLING NAME SERVICE _____

ORIGINATING LINE NUMBER SCREENING _____

ACT. TYPE	ORIGINATING POINT CODES:	ACT. TYPE	ORIGINATING POINT CODES:
____	_____	____	_____
____	_____	____	_____
____	_____	____	_____
____	_____	____	_____
____	_____	____	_____
____	_____	____	_____
____	_____	____	_____
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____	_____	____	_____
____	_____	____	_____
____	_____	____	_____
____	_____	____	_____
____	_____	____	_____
____	_____	____	_____

REMARKS _____
_____
_____

DATE AND TIME RECEIVED IN THE CPOC

<u>LIDB ACCESS VALIDATION SERVICE ORDER FORM</u>

<u>INSTRUCTIONS</u>

THE LIDB ACCESS VALIDATION SERVICE ORDER FORM CONSISTS OF FOUR PAGES.

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PAGE 1 - ALL THE INFORMATION ON THIS PAGE IS FOR ADMINISTRATIVE USE IN ESTABLISHING THE LIDB BILLING ACCOUNT. ALL OF THE INFORMATION IS REQUIRED ON THE INITIAL ORDER. ORDERS SUBMITTED SUBSEQUENT TO THE ESTABLISHED ACCOUNT WILL REQUIRE ONLY THE CUSTOMER'S NAME AND ADDRESS. THE OTHER ENTRIES WILL BE REQUIRED ONLY IF THERE IS A CHANGE TO THE ORIGINAL INFORMATION.

PAGE 2 - ALL THE INFORMATION ON PAGE TWO IS FOR THE REQUESTED ACTIVITY. THIS INFORMATION WILL ALWAYS BE REQUIRED.

1. DESIRED DUE DATE/FIRM DUE DATE - APPROXIMATE NUMBER OF NPA NXXs

   ***DESIRED DUE DATE** IS USED WHEN A FIRM DUE DATE HAS NOT BEEN COORDINATED WITH THE LIDB CUSTOMER PRIOR TO THE SUBMISSION OF THE ORDER FORM TO THE ICSC.

   THE LIDB CUSTOMER WILL ENTER THEIR DESIRED DATE FOR THEIR LIDB SERVICE TO BE ESTABLISHED AND THE APPROXIMATE NUMBER OF NPA NXXs ASSOCIATED WITH THE NEW SERVICE.

   IF THE ORDER IS FOR SUBSEQUENT ACTIVITY TO AN ESTABLISHED ACCOUNT, THE APPROXIMATE NUMBER OF NPA NXXs WILL NOT BE REQUIRED.

   ***FIRM DUE DATE** IS USED WHEN THE CUSTOMER'S ACCOUNT MANAGER HAS COORDINATED WITH THE SNAC TO ESTABLISH THE DUE DATE PRIOR TO THE ORDER FORM BEING SENT TO THE CPOC.

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PAGE 2 INSTRUCTIONS CONTINUED -

2. TYPE OF ACTIVITY

    N - SHOULD BE ENTERED TO ESTABLISH A LIDB SERVICE CAN ALSO BE ENTERED TO ADD ADDITIONAL POINT CODES TO AN EXISTING SERVICE

    C - SHOULD BE ENTERED TO ADD POINT CODES TO OR DELETE POINT CODES FROM AN EXISTING SERVICE

    D - SHOULD BE ENTERED TO COMPLETELY DISCONNECT AN EXISTING SERVICE

    S - SHOULD BE ENTERED TO MAKE A CHANGE ON A CURRENT ORDER PRIOR TO THE COMPLETION DATE (i.e., CHANGE DUE DATE, CORRECT POINT CODE(S), ETC.)

3. BILLING ACCOUNT NUMBER (BAN)

    THE SWBT BILLING ACCOUNT NUMBER OF THE VALIDATION SERVICE AND/OR THE CALLING NAME SERVICE

    IF THE ORDER IS FOR NEW SERVICE, THIS FIELD WILL BE BLANK

4. CUSTOMER ORDER CONTACT...

    A CONTACT WITH THE CUSTOMER THAT THE CPOC CAN COORDINATE WITH FOR THE DESIRED DUE DATE OR CORRECTIONS TO AN ORDER.

5. CUSTOMER TECHNICAL CONTACT...

    A TECHNICAL CONTACT WITH THE CUSTOMER THAT THE SWBT SNAC CAN COORDINATE WITH FOR THE PROVISIONING OF THE SERVICE.

6. CPOC SERVICE REP....

    THE SWBT CPOC SERVICE REPRESENTATIVE THAT NEGOTIATES THE ORDER WILL ENTER THEIR NAME AND CONTACT INFORMATION.

7. SWBT CKR AND TWO SIX CODE

    THIS INFORMATION WILL BE OBTAINED BY THE LIDB CUSTOMER FROM THEIR ORDER TO ESTABLISH THEIR CCS/SS7 INTERCONNECTION SERVICE OR FROM THEIR CCS/SS7 INTERCONNECTION SERVICE PROVIDER. THERE WILL ALWAYS BE FOUR LINKS FOR ACCESS TO THE LIDB.

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INSTRUCTIONS FOR PAGES 3 & 4 -

LIDB HAS THREE QUERY SERVICES: VALIDATION, CALLING NAME (CNAM), AND ORIGINATING LINE
NUMBER SCREENING (OLNS)

THERE IS NOT A SPECIFIC NUMBER OF POINT CODES REQUIRED FOR ANY LIDB SERVICE. THE LIDB
CUSTOMER CAN SUBMIT AS MANY COPIES OF PAGES 3 & 4 AS REQUIRED FOR THEIR POINT CODES PER
REQUEST.

THE VALIDATION, CNAM, AND OLNS WILL BE ESTABLISHED ON A SINGLE BILLING ACCOUNT. IF THE LIDB
CUSTOMER WOULD LIKE SEPARATE BILLING ACCOUNTS, THEN SEPARATE BANs MUST BE REQUESTED (i.e.
"ESTABLISH SEPARATE BILLING ACCOUNTS") IN THE BILLING ACCOUNT NUMBER FIELD ON PAGE 2. IF AN
EXISTING LIDB CUSTOMER WANTS TO ESTABLISH THEIR LIDB CNAM ON A SEPARATE BILLING ACCOUNT,
THEN THE LIDB CUSTOMER SHOULD ENTER "NEW BAN (OR SEPARATE BAN) FOR THE LIDB CNAM SERVICE"
IN THE BILLING ACCOUNT NUMBER FIELD ON PAGE 2. THE SAME WILL APPLY FOR A SEPARATE BAN FOR
OLNS. IN ORDER TO SET UP SEPARATE BILLING ACCOUNTS, THE POINT CODES FOR THE LIDB VALIDATION,
CNAM, AND OLNS SERVICES CANNOT BE THE SAME. THE CUSTOMER WILL USE BOTH PAGES 3 & 4 TO
SUBMIT THEIR POINT CODES SEPARATELY FOR SEPARATE BILLING ACCOUNTS.

1.   LIDB VALIDATION SERVICE _____ CALLING NAME SERVICE _____
      ORIGINATING LINE NUMBER SCREENING _____

      ENTER A CHECK MARK OR AN "X" TO INDICATE WHICH OF THE LIDB SERVICES THE ORDER FORM IS
      REQUESTING TO ESTABLISH OR DELETE. IF ALL LIDB SERVICES ARE REQUESTED ON THE SAME
      ORDER, THE POINT CODES FOR EACH SERVICE MUST BE LISTED ON SEPARATE PAGES. THIS WILL
      ENABLE SWBT TO APPLY THE CORRECT NONRECURRING CHARGES.

2.   ACTIVITY TYPES

      IF A LIDB CUSTOMER NEEDS TO CHANGE AN EXISTING OPC ON AN ESTABLISHED ACCOUNT, THE "D"
      SHOULD BE USED TO INDICATE THE OPC CHANGING FROM AND THE "N" SHOULD BE USED TO
      INDICATE THE OPC CHANGING TO.

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PAGES 3 & 4 INSTRUCTIONS CONTINUED -

LIST OF ORIGINATING POINT CODES AND ACTIVITY TYPE

ACTIVITY TYPES: N - ESTABLISHING OR ADDING NEW POINT CODE(S)
                 D - DELETE EXISTING POINT CODE(S)

PLEASE NOTE IN THE FOLLOWING EXAMPLES, THE ORDER FORM ACTIVITY IS THE ENTRY FROM PAGE 2, NUMBER 3. THIS IS NOT THE ACTIVITY TYPE.

EXAMPLE 1 - ORDER FORM ACTIVITY IS "N" TO ESTABLISH A NEW ACCOUNT AND SERVICE

ACT. TYPE	ORIGINATING POINT CODES:	ACT. TYPE	ORIGINATING POINT CODES:
N	XXX-XXX-XXX	N	XXX-XXX-XXX

EXAMPLE 2 - ORDER FORM ACTIVITY IS "C" TO CHANGE AN EXISTING POINT CODE OR TO ADD A NEW POINT CODE AND DELETE AN EXISTING POINT CODE

ACT. TYPE	ORIGINATING POINT CODES:	ACT. TYPE	ORIGINATING POINT CODES:
N	XXX-XXX-XXX	D	XXX-XXX-XXX

EXAMPLE 3 - ORDER FORM ACTIVITY IS "D" TO DISCONNECT THE ACCOUNT AND THE SERVICE

ACT. TYPE	ORIGINATING POINT CODES:	ACT. TYPE	ORIGINATING POINT CODES:
D	XXX-XXX-XXX	D	XXX-XXX-XXX

THE REMARKS SECTION MAY BE UTILIZED BY SWBT OR THE LIDB CUSTOMER.

THE DATE AND TIME RECEIVED WILL BE ENTERED BY THE SWBT CPOC UPON RECEIPT OF THE FORM.

AFTER THE FORM HAS BEEN COMPLETED, IT SHOULD BE MAILED OR FAXED TO THE SWBT ICSC IN ST. LOUIS, MISSOURI.

APPENDIX LIDB - AS

APPENDIX LIDB

AGREEMENT FOR THE PROVISION OF DATA BASE ADMINISTRATION
AND
LINE INFORMATION DATA BASE (LIDB) STORAGE

This Appendix, between SWBT and LSP sets forth the terms and conditions upon which SWBT will provide data base administration to store LSP's line/billing records in SWBT's Line Information Data Base (LIDB).

WHEREAS, SWBT owns and maintains a Line Validation Administration System (LVAS) that provides facilities for adding, deleting, and changing information in LIDB; and

WHEREAS, SWBT maintains LIDB for various purposes, including the validation of alternately billed service (ABS) requests and the provision of other services; and

WHEREAS LSP desires to have SWBT use LVAS to administer LSP's line information cords for the provision of services set forth in the exhibits attached to this Appendix; and

WHEREAS SWBT is willing to provide, where equipment, processing capability and hardware configurations permit, such LVAS services and LIDB storage for LSP; and

WHEREAS, SWBT owns and maintains a Sleuth System that provides facilities for ABS fraud monitoring; and

WHEREAS LSP desires SWBT to use its Sleuth System for ABS fraud monitoring of its telecommunications traffic.

NOW, THEREFORE, in consideration of the mutual promises and undertakings made, the parties agree as follows:

1.   DEFINITIONS

As used herein and for the purpose of this Appendix, the following terms shall have the meanings set forth below:

A.   Alternate Billing Services (ABS) - A service that allows end users to bill calls to accounts that may not be associated with the originating line. There are three types of ABS calls: calling card, collect and third number billed calls.

B. Billed Number Screening (BNS) - A process which utilizes a database to determine specific characteristics and/or end user preferences with respect to a billed number.

C. Calling Card Service (CCS) - A service which enables a calling customer to bill a telephone call to a calling card number with or without the help of an operator.

D. Data Base - An integrated collection of related data. In the case of the LIDB, the data base is the line number and related line information.

E. Data Base Administration Center (DBAC) - The LIDB input center where the LVAS facility and administrative personnel are currently located.

F. Exchange   -   For the purpose of this Appendix, a specific NPA-NXX combination.

G. Group Record - Information in LIDB or LVAS that is common to all lines or billing records in an NPA-NXX or NPA-RAO.

H. LIDB Editor - A database editor located at the SCP where LIDB resides. LIDB editor provides emergency access to LIDB that bypasses the service management system for LIDB.

I. Line Validation Administration System (LVAS) - An off-line administrative system, used by SWBT to add, delete and change information in LIDB.

J. Line Information Data Base (LIDB) - The line information database, which is an ANSI SS7 database system, functions as a centralized repository for data storage and retrieval. LIDB supports validation and recording of ABS requests. LIDB also supports storage, retrieval and recording capabilities for other information that can be associated with an end user's line. Examples of such information are, or are expected to be, originating screening information, ZIP code data and calling name.

K. Line Record - Information in LIDB or LVAS that is specific to a single telephone number or special billing number.

L. Personal Identification Number (PIN) - A confidential four digit code number provided to a calling card customer to prevent unauthorized use of his/her calling card number. The PIN is stored in the LIDB for those line numbers that have an associated calling card.

M.   Response - A single response in a set of predefined expected responses to a request for information contained in a query from a computer processor.

N.   Toll Billing Exception (TBE) - A LIDB option that allows end users to restrict third number billing or collect calls to their lines.

O.   Service Management System (SMS) - An off-line system used to access, create, modify, or update information in LIDB. For the purposes of this appendix, the SMS for LIDB is LVAS.

P.   Sleuth - An off-line administration system that SWBT uses to monitor suspected occurrences of ABS-related fraud. Sleuth uses a systematic pattern analysis of query message data to identify potential incidences requiring fraud investigation. Detection parameters are based upon vendor recommendations and SWBT's analysis of collected data and are subject to change from time to time.

Q.   Special Billing Number (SBN) Account Groups - Line records in LIDB that are based on an NPA-RAO numbering format. NPA-RAO numbering formats are similar to NPA-NXX formats except that the fourth digit of an NPA-RAO line record is either a zero (0) or a one (1).

R.   Tape Load Facility – A separate data entry point at the SCP where LIDB resides. The Tape Load Facility provides direct access to LIDB for data administration that bypasses the service management system for SWBT's LIDB.

S.   Translation Type - A code in the Signaling Connection Control Point (SCCP) of the SS7 signaling message. Translation Types are used for routing LIDB queries. Signal Transfer Points (STPs) use Translation Types to identify the routing table used to route a LIDB query. All LIDB queries against the same exchange and Translation Type are routed to the same LIDB.

2.   General Description

A.   SWBT's LIDB is connected directly to a service management system (i.e., LVAS), a database editor (i.e., LIDB Editor), and a tape load facility. Each of these facilities, processes, or systems, provide SWBT with the capability of creating, modifying, changing, or deleting, line/billing records in LIDB. SWBT's LIDB is also connected directly to an adjunct fraud monitoring system (i.e., Sleuth).

B.   SWBT will provide LSP with access to LVAS, LIDB Editor, and tape load facility as set forth in this Appendix and the Exhibit or Exhibits attached hereto. SWBT warrants that the manner in which it provides such access to

LSP will be equivalent to the manner in which SWBT provides such access to itself.

C.   SWBT will also provide LSP with fraud alerts from Sleuth as set forth in this Appendix and in Exhibit IV (Sleuth). SWBT warrants that it will provide fraud alerts to LSP using the same fraud monitoring parameters as SWBT uses for itself.

D.   From time-to-tome, SWBT enhances its LIDB to create new services and/or LIDB functionalities. Such enhancements may involve the creation of new line-level or group-level data elements in LIDB. SWBT will coordinate with LSP to provide LSP with the opportunity to update its data concurrent with SWBT's updates of SWBT's own data. Both parties understand and agree that some LIDB enhancements will require LSP to update its line/billing records with new or different information.

E.   Charges for the provisioning of Data Base Administration and LIDB Storage are set forth in Exhibit II (Basis of Compensation).

3.   Service Description

3.1   LVAS

LVAS provides LSP with the capability to access, create, modify or update information in LIDB. LVAS has two electronic interfaces. These interfaces are the Service Order Entry Interface and the Interactive Interface.

3.1.1   Service Order Entry Interface

(A)   The Service Order Entry Interface provides LSP with unbundled access to SWBT's LVAS that is equivalent to SWBT's own service order entry process to LVAS. Service Order Entry Interface allows LSP to electronically transmit properly formatted records from LSP's service order process into LVAS.

(B)   LSP's access to the Service Order Entry Interface will be through a remote access facility (RAF). The RAF will provide SWBT with a security gateway for LSP access to the Service Order Entry Interface. The RAF will verify the validity of LSP's transmissions and limit LSP's access to SWBT's Service Order Entry Interface to LVAS. LSP does not gain access to any other SMS, interface, database, or operations support system through this Appendix.

(C)   SWBT will provide LSP with the file transfer protocol

specifications LSP will use to administer LSP's data over the Service Order Entry Interface. LSP acknowledges that transmission in such specified protocol is necessary for SWBT to provide LSP with Data Base Administration and Storage.

(D)   LSP can choose the Service Order Entry Interface as its only interface to LVAS and LIDB or the LSP can choose to use this interface in conjunction with any other interface that SWBT provides under this Appendix except the Manual Interface.

(E)   SWBT will provide LSP with SWBT-specific documentation for properly formatting the records LSP will transmit over the Service Order Entry Interface.

(F)   LSP understands that its record access through the Service Order Entry Interface will be limited to its own line/billing records.

3.1.2   Interactive Interface

(A)   The Interactive Interface provides LSP with unbundled access to SWBT's LVAS that is equivalent to SWBT's access at its LIDB DBAC. Interactive Interface provides LSP with the ability to have its own personnel access LSP's records via an application screen that is presented on a computer monitor. Once LSP has accessed one of its line/billing records, LSP can perform all of the data administration tasks SWBT's LIDB DBAC personnel can perform on SWBT line/billing records.

(B)   SWBT will provide LSP with Interactive Interface through a modem. LSP understands that its record access through the Interactive Interface will be limited to its own line/billing records.

(C)   LSP will use hardware and software that is compatible with LVAS hardware and software.

(D)   LSP can choose to request the Interactive Interface as its only interface to LVAS and LIDB or the LSP can choose to use this interface in conjunction with any other interface that SWBT provides under this Appendix except the Manual Interface.

(E)   SWBT will provide LSP with SWBT-specific documentation in the form of screen prints and prints of help screens.

3.1.3 Manual Interface

(A) Manual Interface is available only if the LSP has 1,000 line/billing records or less. Manual Interface allows LSP to fax updates to SWBT's LIDB DBAC. SWBT's LIDB DBAC personnel will manually enter these faxed updates into LVAS for LSP.

(B) Manual Interface is not available with any other interface SWBT provides under this Appendix.

(C) LSP understands that its record access through the Manual Interface will be limited to its own line/billing records.

3.2 Tape Load Facility Interface

(A) Tape Load Facility Interface provides LSP with unbundled access to SWBT's Tape Load Facility in the same manner that SWBT accesses this facility. Tape Load Facility Interface allows LSP to create and submit magnetic tapes for input into LIDB.

(B) The Tape Load Facility Interface is not an interface to LVAS. The Tape Load Facility Interface is an entry point to LIDB at the SCP where LIDB resides.

(C) The Tape Load Facility Interface is available only when the amount of information is too large for LVAS to accommodate. Both parties agree that these situations normally occur during the initial load of LSP's information into LIDB or when LIDB is updated for a new product. The Tape Load Facility Interface is not available for ongoing updates of information. LSP may request the Tape Load Facility Interface only when its updates exceed 100,000 line/billing records over and above the LSP's normal daily update processing.

(D) LSP will create its own tapes in formats specified in GR-446-CORE, Issue 2, June 1994, as revised. Such tapes will only include information associated with LSP's line/billing records.

(E) LSP will deliver a separate set of tapes, each having identical information to each SCP node on which LIDB resides. SWBT will provide LSP with the name and address of the SWBT employee designated to receive the tapes at each location.

(F) In addition to the tapes LSP will create and deliver to the SCP node locations, LSP shall deliver an additional set of tapes to the LVAS

System Administrator so that SWBT can load LSP's updates into LVAS. LSP understand that these additional tapes must contain information identical to the tapes delivered to the SCP nodes, but that the format will differ. SWBT shall provide LSP SWBT-specific documentation for record formations of these additional tapes. SWBT shall use these tapes to create LSP records in LVAS that correspond with the records being loaded into LIDB using the Tape Load Facility Interface. SWBT shall provide LSP with the name and address of the SWBT System Administrator to whom the LVAS update tapes should be sent.

(G)   SWBT and LSP shall negotiate mutually agreed upon dates and times for tape loads of LSP data when such loads are the result of an LSP request.

(H)   LSP understands and agrees that its record access through the Tape Load Facility Interface is only for LSP's own line/billing records. LSP warrants that it shall not use the Tape Load Facility Interface to modify any group record. LSP further warrants that it shall not use the Tape Load Facility Interface to modify any line/billing record not belonging to LSP.

3.3   LIDB Editor Interface

(A)   LIDB Editor Interface provides LSP with unbundled access to SWBT's LIDB Editor equivalent to SWBT's manner of access. LIDB Editor provides LSP with emergency access to LIDB only when LVAS is unable to access LIDB or is otherwise inoperable.

(B)   LIDB Editor Interface is not an interface to LVAS. LIDB Editor is an SCP tool accessible only by authorized SWBT employees. LSP shall have access to SWBT employees authorized to access LIDB Editor during the same times and under the same conditions that SWBT has access to LIDB Editor.

(C)   LSP understands that its record access through the LIDB Editor Interface is limited to its own line/billing records.

3.4   Audits

SWBT shall provide LSP with access equivalent to SWBT's own access to LVAS audit functionalities.

3.4.1 LIDB Audits

(A)   This audit is between LVAS and LIDB. This audit verifies that LVAS records match LIDB records. The LIDB Audit is against all line records and group record information in LVAS and LIDB, regardless of data ownership.

(B)   SWBT shall run the LIDB audit continuously throughout each and every day.

(C)   SWBT shall create a "variance file" of all LSP records that fail the LIDB audit. LSP can access these files through the Interactive Interface.

(D)   LSP shall investigate accounts that fail the LIDB audit and correct any discrepancies as set forth in paragraph 3(H). LSP shall correct all discrepancies using the LVAS interface(s) LSP has requested under this Appendix.

3.4.2   Billing System Audit

(A)   This type of audit is between LVAS and SWBT's billing system(s). This audit verifies that LVAS records match SWBT's billing system records.

(B)   SWBT shall provide LSP with access equivalent to SWBT's own access to the billing system audit functionality. SWBT shall provide LSP with a file containing LSP records in LIDB. LSP shall specify if the billing system audit tape will be delivered by either magnetic tape or electronically over the Service Order Entry Interface.

(C)   LSP shall audit its LIDB accounts against LSP's billing system and correct any discrepancies as set forth in paragraph 3(H). LSP shall correct all discrepancies using the LVAS interface(s) LSP has requested under this Appendix.

(D)   SWBT shall provide LSP scheduled and unscheduled billing system audits as set forth below:

(1)   Scheduled Audits

SWBT shall provide LSP with a billing system audit file twice per year. Such audit files will represent LSP's entire data store in LVAS. The Parties shall mutually

agree upon the dates such audit files will be provided.

(2)   Unscheduled Audits

LSP can request additional audit files and SWBT will work cooperatively to accommodate all reasonable LSP requests for such additional audit files. Charges for additional audit files shall apply as set forth in Exhibit II (Basis for Compensation).

3.5   Sleuth

(A)   Sleuth notification provides LSP with Sleuth alert messages. Sleuth alert messages indicate potential incidences of ABS-related fraud for investigation.

(B)   Sleuth historical reports are available to LSP as set forth in Exhibit IV (Sleuth).

3.   Manner of Provisioning

(A)   SWBT shall provide to LSP, on request, SWBT-specific documentation regarding record formatting and associated hardware requirements for LSP to access each of the interfaces SWBT provides for LIDB data administration.

(B)   LSP shall obtain, at its own expense, all necessary documentation produced by non-SWBT entities such as Bellcore.

(C)   Magnetic tapes submitted by LSP must conform to the hardware specifications of each SCP node where LIDB resides. This includes 9-track and 8mm tapes as well as other site-specific limitations. SWBT shall provide LSP with all magnetic tape hardware requirements upon request. LSP shall create the magnetic tapes its submits for input into LIDB and LVAS over the tape load interface.

(D)   SWBT shall input information provided by LSP into LIDB for the NPA-NXXs and/or NPA-RAOs set forth in Exhibit I, EXCHANGES TO BE ADMINISTERED, attached hereto and made a part hereof. LSP shall provide all information needed by SWBT to support the services being requested. This information may include, but is not limited to, Calling Card Service information, Toll Bill Exception information (such as restrictions on collect and third number billing), class of service information, originating line number screening information, ZIP code information, and calling name information.

(E)   LSP shall furnish, prior to the initial LVAS load, and as requested by SWBT

thereafter, the following forecast data:

- the number of working lines per account group
- the number of working line numbers to be established
- the average number of monthly changes to these records
- the number of busy hour queries, by query type
- the number of annual queries by query type

If SWBT, at its discretion, determines that it lacks adequate storage, or processing capability, prior to the initial loading of LSP information, SWBT shall notify LSP of its intent to not provide to LSP the Services under this Appendix and this Appendix will be void.

(F)   LSP shall furnish all line records and group records in a format required by SWBT to establish records in LIDB for all working line numbers, not just line numbers associated with calling card PIN or Toll Billing Exceptions (TBE).

(G)   LSP acknowledges that SWBT's LIDB is accessible by many telecommunications companies and that these telecommunications companies expect a high degree of accuracy in the response information provided to their queries. LSP shall administer its data in such a manner that SWBT's accuracy of response information is not adversely impacted.

(H)   LSP shall verify to SWBT the line information data residing in LVAS by reviewing the listing of line information data provided by SWBT's billing system audit file. LSP shall provide to SWBT all additions, deletions, and corrections resulting from its verification on, or before, the fourteenth business day following its receipt of line information verification reports produced by SWBT for audit processes.

(I)   SWBT shall provide the functionality needed to perform certain query/response functions on a call-by-call basis for the line/billing records of LSP that reside in SWBT's LIDB. Those query/response functions SWBT will perform are set forth in the Exhibits.

(J)   With respect to all matters covered by this Appendix, each Party shall adopt and comply with SWBT standard operating methods and procedures and shall observe the rules and regulations which cover the administration of LVAS service and the Sleuth System, as set forth in SWBT practices. The Parties acknowledge that those practices may be changed by SWBT from time to time.

(K)   Administration of the SCP on which LIDB resides, as well as any system or query processing logic that applies to all data resident on SWBT's LIDB is, and remains, the responsibility of SWBT. LSP acknowledges that SWBT, in its role as system administrator, may need to access any record in LIDB, including any

such records of LSP. SWBT shall limit such access to those actions necessary to ensure the successful operation and administration of SWBT's SCP and LIDB.

(L)   LSP acknowledges that SWBT shall, in its sole discretion, allow or negotiate any access to SWBT's LIDB. LSP does not gain any ability, by virtue of this Appendix, to determine which telecommunications companies are allowed to access information in SWBT's LIDB. LSP acknowledges that when SWBT allows a query originator to access SWBT data in SWBT's LIDB, such query originators shall also have access to LSP's data that is also stored in SWBT's LIDB.

(M)   LSP acknowledges that SWBT does not have data screening capability in LIDB. Data Screening is the ability of a LIDB owner to deny complete or partial access to LIDB data or processes.

4.   Billing

Compensation to SWBT for data storage and administration service and Sleuth services shall be based upon the rates set forth in Exhibit II (Basis of Compensation), attached hereto and made a part hereof. These rates will apply for one (1) year from the service effective date for each exchange. After one (1) year, SWBT may change the rates upon seventy-five (75) days' notice. SWBT may first give such notice seventy-five days before the end of the first year.

4.1   SWBT Responsibilities

(A)   SWBT shall determine, for billing purposes, the number of access lines that are administered for each NPA-NXX or NPA-RAO for which SWBT performs the database administration function on behalf of LSP. SWBT shall quantify access lines monthly.

(B)   SWBT shall provide, upon written request, such data as is reasonably necessary to verify billing charges for data base administration update functions. SWBT shall provide this information in standard SWBT LVAS report formats.

(C)   SWBT shall provide such data, as is reasonably necessary, to enable the independent Billing Information Systems (IBIS) billing statements to be substantiated for query volumes of LSP line/billing records that reside in SWBT's LIDB. SWBT shall provide this data to LSP in standard Exchange Message Record (EMR) format.

4.2 LSP Responsibilities

    (A)   LSP shall pay SWBT the amounts billed for the services rendered.

    (B)   LSP shall bill the appropriate charges to end users, on behalf of third parties who query LIDB and receive a response verifying the end user's willingness to accept the charges for the underlying call.

    (C)   LSP shall provide to third parties, that query LIDB and receive a response verifying an end user's willingness to accept charges of services supported by LIDB, all necessary billing information needed by the third party to bill for the services provided.

4.3 Compensation for Data Access

    (A)   Subject to the limitations in (B) below, SWBT shall compensate LSP for queries against the data LSP stores in SWBT's LIDB. Queries by SWBT and LSP against the data LSP stores in SWBT's LIDB shall be included in the count of queries for which LSP will be compensated. SWBT shall compensate LSP by paying a percentage of the amounts SWBT billed, or would have billed, for each query. LSP acknowledges that the amount SWBT bills for LIDB queries against LSP's data may differ by query type, by query originator, and/or may change over time. The percentage SWBT will use to calculate such credits is set forth in Exhibit II (Basis of Compensation).

    (B)   LSP acknowledges that SWBT's ability to provide such credit is based upon SWBT's ability to identify account ownership in LIDB. LSP acknowledges that LIDB currently identifies account ownership only at the level of the group record (i.e., NPA-NXX or NPA-RAO). LSP further agrees that SWBT will not provide such credit for LSP accounts that reside in group records that also contain SWBT or other data owner accounts. SWBT agrees to work with its LIDB and switch vendors to attempt to develop the capabilities for SWBT to identify, and record for billing, the service provider of individual line/billing records. SWBT shall provide LSP compensation if SWBT implements such capabilities in its network.

5. Liability

    (A)   In addition to the limitation of liability and indemnification provisions of the Agreement, SWBT shall not be liable for any losses or damages arising out of errors, interruptions, defects, failures, or malfunction of LVAS, including any and all associated equipment and data processing systems, except such losses or damages caused by the sole negligence

· of SWBT. Any losses or damages for which SWBT is held liable under this Appendix shall in no event exceed the amount of charges made for LVAS during the period beginning at the time SWBT receives notice of the error, interruption, defect, failure or malfunction to the time service is restored.

(B)   SWBT shall not be liable for any losses or damages arising out of SWBT's administration of Sleuth.

(C)   SWBT SHALL NOT BE LIABLE IN ANY EVENT FOR ANY SPECIAL, INDIRECT, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES RESULTING FROM, OR ARISING OUT OF, OR IN CONNECTION WITH, THIS AGREEMENT.

6.   Disclaimer of Warranties

SWBT MAKES NO REPRESENTATIONS OR WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR INTENDED OR PARTICULAR PURPOSE WITH RESPECT TO LVAS SERVICE, LIDB OR THE SLEUTH SYSTEM. ADDITIONALLY, SOUTHWESTERN BELL ASSUMES NO RESPONSIBLEILITY WITH REGARD TO THE CORRECTNESS OF THE DATA SUPPLIED BY LSP WHEN THIS DATA IS ACCESSED AND USED BY A THIRD PARTY.

APPENDIX LIDB

EXHIBIT I

EXCHANGES TO BE ADMINISTERED

SWBT shall provide service management system and other interface service capabilities to LSP as set forth in this Appendix and attached Exhibit or Exhibits for the following LSP exchanges:

EXCHANGE NAME	NPA NXX	NPA-RAO
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
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_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

(Attach additional copies as needed)

APPENDIX LIDB

EXHIBIT II

BASIS OF COMPENSATION

1. <u>COMPENSATION</u> :

Rates and charges are as follows:
Manual Interface

			<u>Rate Per Initial Load</u>
(a)	Initial Load		
	(1)	per initial load	$372.00
	(2)	per 100 line records loaded	$55.00
(b)	Ongoing Updates		<u>Rate Per Month</u>
	(1)	per month	$51.00
	(2)	per 100 line records stored in LIDB	$3.75

APPENDIX LIDB

EXHIBIT III

CALLING CARD AND BILLED NUMBER SCREENING VALIDATION

(A)   SWBT shall provide the functionality needed to perform the following query/response functions, on a call-by-call basis, for the line/billing records residing in SWBT's LIDB to:

      1.   Validate a 14-digit billing number where the first 10 digits are a telephone number or a special billing number assigned and the last four digits (PIN) are a security code assignment.

      2.   Determine whether the billed line automatically rejects, accepts, or requires verification of certain calls billed as collect or third number.

      3.   Determine whether the billed line is a public telephone number using the Class of Service information in the LIDB.

    B.   LSP shall bill the appropriate charges to end users, on behalf of third parties who query LIDB and receive a response validating the end user's willingness to accept the charges for the underlying call.

Approved and executed the _____ day of _____, 19___.

_____   Southwestern Bell Telephone Company

By_____   By_____

Title_____   Title_____

Date_____   Date_____

APPENDIX LIDB

EXHIBIT IV

SLEUTH

(A)   SWBT shall provide LSP with an alert notification, by fax, or another mutually agreed upon format, when SWBT's Sleuth system indicates the probability of a fraud incidence. SWBT will use the same criteria to determine fraud alerts for LSP as SWBT uses for its own accounts.

(B)   Sleuth alert messages have four levels of priority. These levels are low, medium, high and urgent. Sleuth delivers alert messages to a queue in the Sleuth DBAC in priority order. Urgent alerts are prioritized first, followed by high, medium and low alerts (in that order).

(C)   SWBT's Sleuth investigators can access alerts only in the order the alerts appear in the queue. Low alerts almost never see investigator treatment. However, when Sleuth encounters a number of low priority alerts on the same account, Sleuth may upgrade the alert's status to a higher priority status.

(D)   When a Sleuth investigator determines that an urgent, high, or medium priority alert is for an LSP account, the Sleuth investigator will print the alert for the queue and fax the alert to the LSP. Sleuth alerts only identify potential occurrences of fraud. The LSP receiving Sleuth alerts will need to perform its own investigations to determine whether a fraud situation actually exists. The LSP will also need to determine what, it any action should it take as a result of a Sleuth alert.

(E)   SWBT's hours of operation for Sleuth are seven days a week, twenty-four hours per day (7X24). LSP shall provide SWBT with a contact name and fax number for SWBT to fax alerts from SWBT's Sleuth DBAC.

(F)   SWBT shall provide LSP with a Sleuth contact name and number, including fax number, for LSP to contact the Sleuth DBAC.

(G)   For each alert notification SWBT provides to LSP, LSP may request a corresponding 30-day historical report of ABS-related query processing. LSP may request up to three reports per alert. The charge for each historical report is set forth in Exhibit II (Basis of Compensation).